(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 28 July 2005 (28.07.2005)

PCT

(10) International Publication Number WO 2005/068332 A1

(51) International Patent Classification⁷:

B65H 1/04

(21) International Application Number:

PCT/EP2005/000136

- (22) International Filing Date: 10 January 2005 (10.01.2005)
- (25) Filing Language:

English

(26) Publication Language:

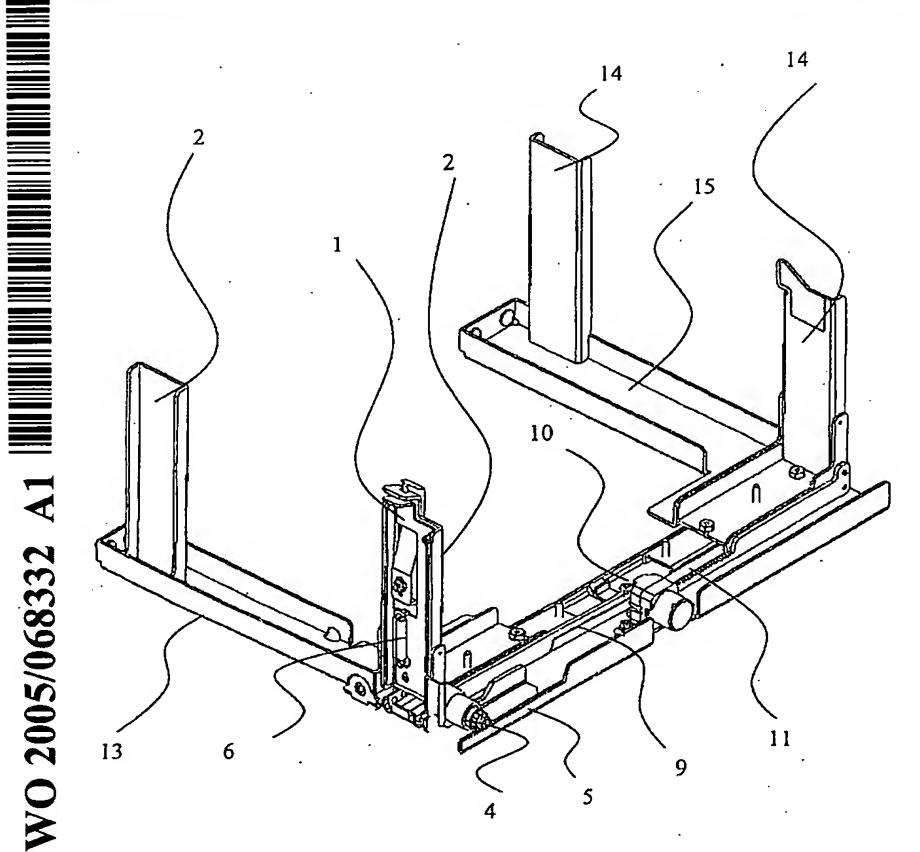
English

- (30) Priority Data: 17 January 2004 (17.01.2004) 10 2004 002 646.7
- (71) Applicant (for all designated States except US): EAST-MAN KODAK COMPANY [US/US]; 343 State Street, Rochester, NY 14650 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): DOBRINDT, Dirk [DE/DE]; Reiherbruch 7, 24147 Klausdorf/Schwentine (DE).

- (74) Agent: LAUERWALD, Jörg; c/o NexPress GmbH, Dr.-Hell-Strasse, 24107 Kiel (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: APPARATUS FOR THE ALIGNMENT OF A STACK OF SHEETS



The present (57) Abstract: invention relates to an apparatus for the alignment of a stack of sheets comprising at least one pair of trimming elements (2, 14) which can be adjusted at distances relative to each other in a preferably continuous manner in order to accommodate and align the stack between trimming elements (2, 14). An object of the present invention is to disclose an apparatus which permits the centered stack alignment in an inexpensive, reproducible and reliable manner, preferably occurring in transverse, as well as in longitudinal, direction, even when sheets are expected to be duplex-printed. In accordance with the present invention, trimming elements (2, 14) are coupled to allow their counter-directional movement with respect to each other, in that an automatic stop means (4) preventing an enlargement of the distance between the trimming elements (2, 14) is provided, and in that this stop means (4) can be deactivated if required.

WO 2005/068332 A1



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— with international search report